

EAST Search History (Prior Art)

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|----------|--------|---|----------------------------|------------------------------|----|-----|------------------|
| S14 2 | 143551 | | (“455”).CLAS. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/08/18 22:01 |
| S14 3 | 21 | | S141 and S142 | US-PGPUB; USPAT | OR | ON | 2010/08/18 22:01 |
| S14 5 | 41 | | S141 not S143 | US-PGPUB; USPAT | OR | ON | 2010/08/18 22:35 |
| S14 6 | 13 | mobile near8 static near6 (device machine apparatus) same (hierarchy class sub\$1class) | | US-PGPUB; USPAT | OR | ON | 2010/12/21 12:48 |
| S14 7 | 2 | | S146 and (@ad<“20031022”) | US-PGPUB; USPAT | OR | ON | 2010/12/21 12:48 |
| S14 8 | 96 | mobile same static same (device machine apparatus) same (hierarchy class sub\$1class) | | US-PGPUB; USPAT | OR | ON | 2010/12/21 12:50 |
| S14 9 | 44 | mobile same static same (device machine apparatus) same (hierarchy class sub\$1class) and (work\$1site construction building) | | US-PGPUB; USPAT | OR | ON | 2010/12/21 12:51 |
| S15 0 | 3179 | | (709/245).OCLS. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/12/21 12:51 |
| S15 1 | 43859 | | (709/22?).OCLS. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/12/21 12:52 |
| S15 2 | 0 | | S149 and S150 | US-PGPUB; USPAT | OR | ON | 2010/12/21 12:52 |
| S15 3 | 2 | | S149 and S151 | US-PGPUB; USPAT | OR | ON | 2010/12/21 12:52 |
| S15 4 | 49781 | (device vehicle machine) same (hierarchy\$7 or multi\$1level or multi\$1tier) and (mobile moving fixed static) | | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:44 |
| S15 5 | 766 | address same position same (hierarchy level) same (evolv\$3 progress chang\$3) same time | | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:45 |
| S15 6 | 69 | | S154 and S155 | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:46 |
| S15 7 | 25 | | S156 and (@ad<“20031022”) | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:46 |
| S15 8 | 0 | | S150 and S157 | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:46 |
| S15 9 | 4 | | S151 and S157 | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:46 |
| S16 0 | 5726 | (vehicle device) same (construction building) near site | | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:57 |
| S16 1 | 1 | | S155 and S160 | US-PGPUB; USPAT | OR | ON | 2010/12/21 14:57 |

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| S16 2 | 14 | S155 and S151 | US-PGPUB; USPAT | OR | ON | 2010/12/21 15:01 |
| S16 3 | 15 | (category categoriz\$3 classify\$3 group\$3 class classif\$4) with (fixed static stationary wired) with (portable mobile wireless) with (hierarchical hierarchy) | US-PGPUB; USPAT | OR | ON | 2010/12/21 18:00 |
| S16 4 | 2 | S163 and (@ad<"20031022") | US-PGPUB; USPAT | OR | ON | 2010/12/21 20:50 |
| S16 5 | 3 | S163 and (@ad<"20031022" or @rlad<"20031022") | US-PGPUB; USPAT | OR | ON | 2010/12/21 20:50 |
| S16 6 | 33 | (category categoriz\$3 classify\$3 group\$3 class classif\$4 organiz\$3) with (fixed static stationary wired) with (portable mobile wireless moving) with (hierarchical hierarchy) | US-PGPUB; USPAT | OR | ON | 2010/12/21 21:24 |
| S16 7 | 8 | S166 and (@ad<"20031022") | US-PGPUB; USPAT | OR | ON | 2010/12/21 21:24 |
| S16 8 | 4802 | (hierarchical hierarchy) with (device node machine vehicle apparatus) same (chang\$3 adjust\$3 modif\$3) same (add\$6 remov\$3 chang\$3 replac\$3) | US-PGPUB; USPAT | OR | ON | 2010/12/21 22:26 |
| S16 9 | 1835 | (hierarchical hierarchy) with (device) same (chang\$3 adjust\$3 modif\$3) same (add\$6 remov\$3 chang\$3 replac\$3) | US-PGPUB; USPAT | OR | ON | 2010/12/21 22:27 |
| S17 0 | 741 | S169 and (@ad<"20031022") | US-PGPUB; USPAT | OR | ON | 2010/12/21 22:27 |
| S17 1 | 98316 | ("709").CLAS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/12/21 22:28 |
| S17 2 | 110 | S170 and S171 | US-PGPUB; USPAT | OR | ON | 2010/12/21 22:28 |
| S17 3 | 10475 | (709/218-219).OCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/12/23 07:28 |
| S17 4 | 44 | mobile same static same (device machine apparatus) same (hierarchy class sub\$1 class) and (work\$1 site construction building) | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:29 |
| S17 5 | 1 | S174 and S173 | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:29 |
| S17 6 | 13648 | devices same (static or mobile) same communicat\$6 same range | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:31 |
| S17 7 | 5348 | (455/456.1).OCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/12/23 07:31 |
| S17 8 | 4326 | (transmit or send) same (position or coordinates or GPS) near5 devices | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:31 |

EAST Search History (Prior Art)

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|----------|------|--|--------------------|----|----|------------------|
| S17 9 | 364 | S178 and S176 | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:31 |
| S18 0 | 58 | S177 and S179 | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:31 |
| S18 1 | 913 | (hierarchical or multi\$1tier) same network near3 (device or node or item or component) same (location or position) | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:32 |
| S18 2 | 18 | S173 and S181 | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:32 |
| S18 3 | 7 | S182 and (@ad<"20031022") | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:33 |
| S18 4 | 1837 | (hierarchical hierarchy) with (device) same (chang\$3 adjust\$3 modif\$3) same (add\$6 remov\$3 chang\$3 replac\$3) | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:38 |
| S18 5 | 741 | S184 and (@ad<"20031022") | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:38 |
| S18 6 | 16 | S173 and S185 | US-PGPUB; USPAT | OR | ON | 2010/12/23 07:38 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|---|-----------------------------|------------------|---------|------------------|
| S18 7 | 55 | mobile same static same (device machine apparatus) same (hierarchy class sub\$1class) and (work\$1site construction building) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:45 |
| S18 8 | 10582 | (709/218-219).OCLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/12/23 07:45 |
| S18 9 | 1 | S187 and S188 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:46 |
| S19 0 | 4989 | (hierarchical hierarchy) with (device node machine vehicle apparatus) same (chang\$3 adjust\$3 modif\$3) same (add\$6 remov\$3 chang\$3 replac\$3) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:46 |
| S19 1 | 3199 | (709/245).OCLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/12/23 07:47 |
| S19 2 | 2040 | S191 and (@ad<"20031022") | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:48 |
| S19 3 | 5838 | (vehicle device) same (construction building) near site | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:48 |

EAST Search History (Interference)

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|----------|-------|---|-----------------------------|----|-----|------------------|
| S19 4 | 1 | S192 and S193 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:48 |
| S19 5 | 332 | S191 and (@ad< "20031022") and (mobile moving fixed static) near4 (device machine) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:50 |
| S19 6 | 263 | S195 and (call access) same (device machine) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:51 |
| S19 7 | 70 | S195 and (call access) same (device machine) same (URL path directory) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 07:52 |
| S19 8 | 1888 | (hierarchical hierarchy) with (device) same (chang\$3 adjust\$3 modif\$3) same (add\$6 remov\$3 chang\$3 replac\$3) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 08:44 |
| S19 9 | 44675 | (709/22?).COLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/12/23 08:45 |
| S20 0 | 70 | S198 and S199 | USPAT; UPAD | OR | ON | 2010/12/23 08:45 |
| S20 1 | 142 | S198 and S199 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 08:45 |
| S20 2 | 10 | S198 and S191 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 09:15 |
| S20 3 | 25 | S198 and S188 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/12/23 09:19 |